

Figure 1

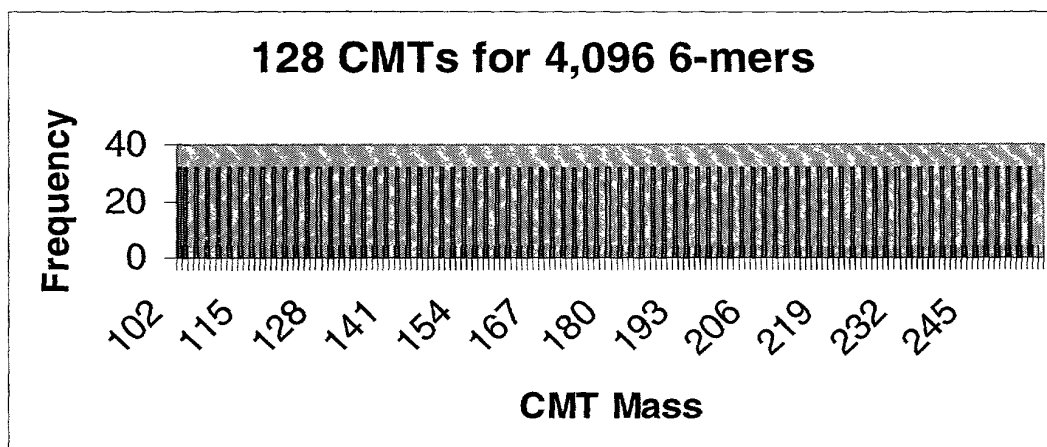
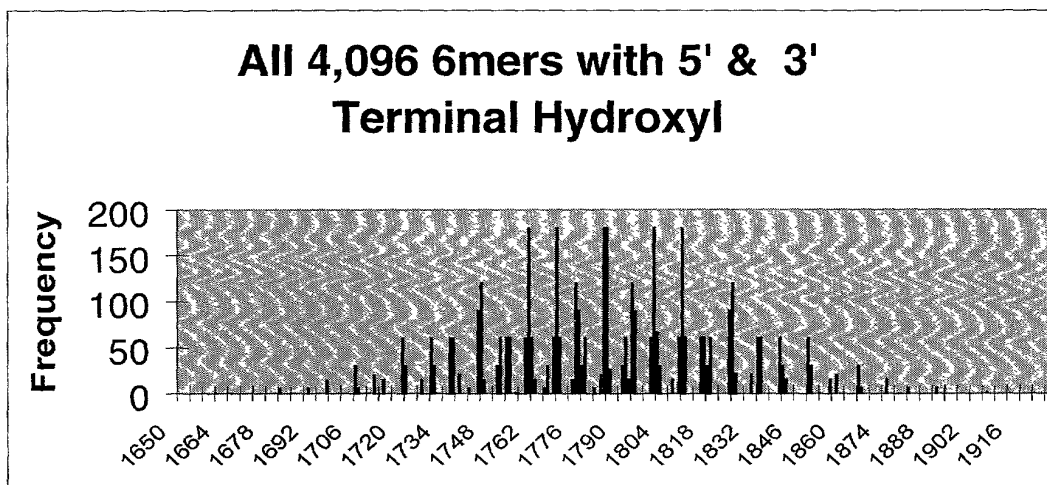


Figure 2A

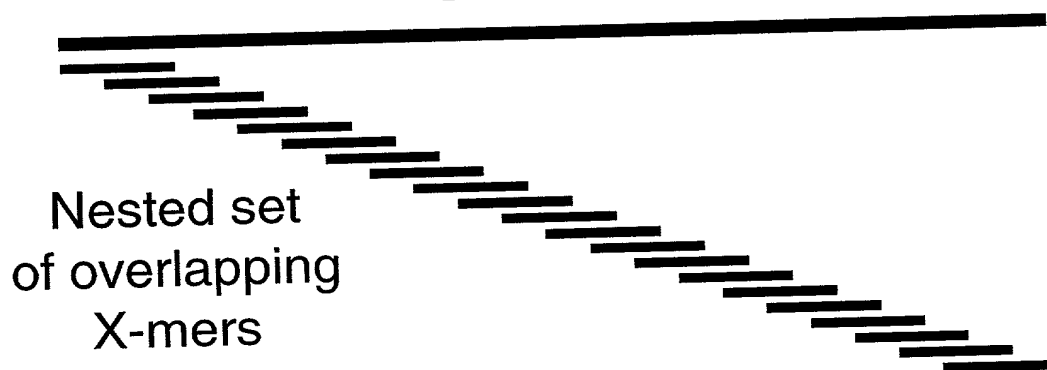


Figure 2B

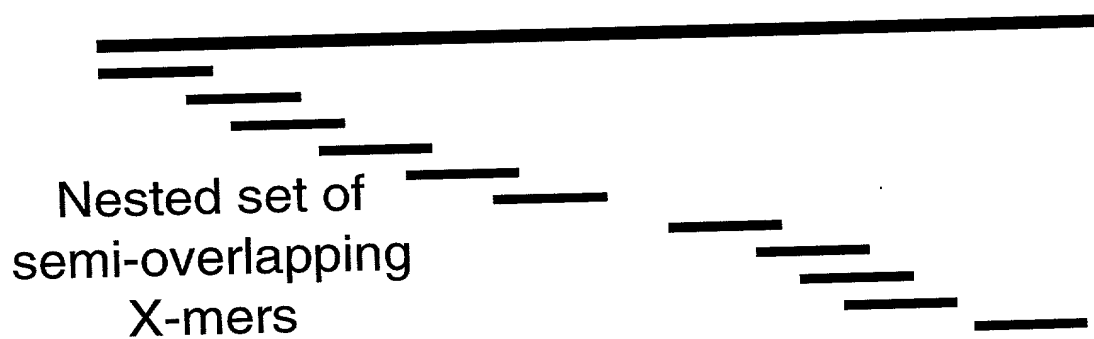


Figure 2C

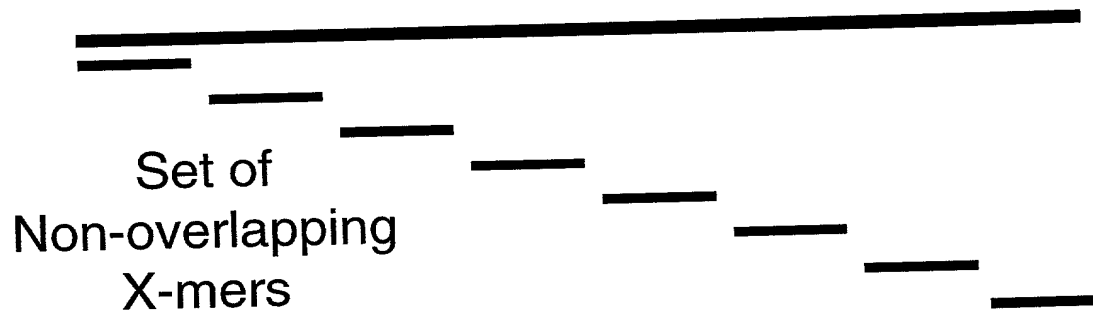


Figure 3

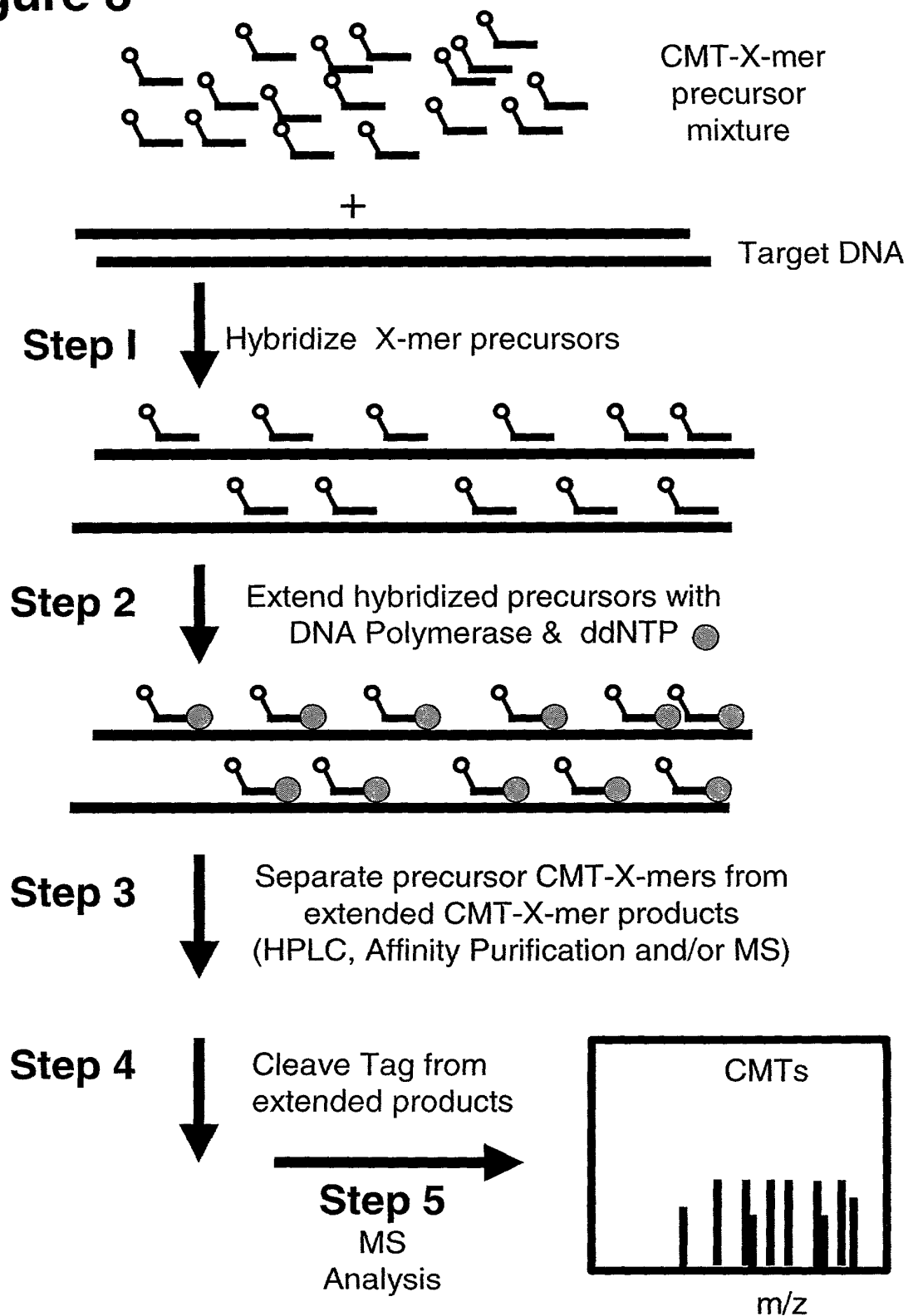


Figure 4

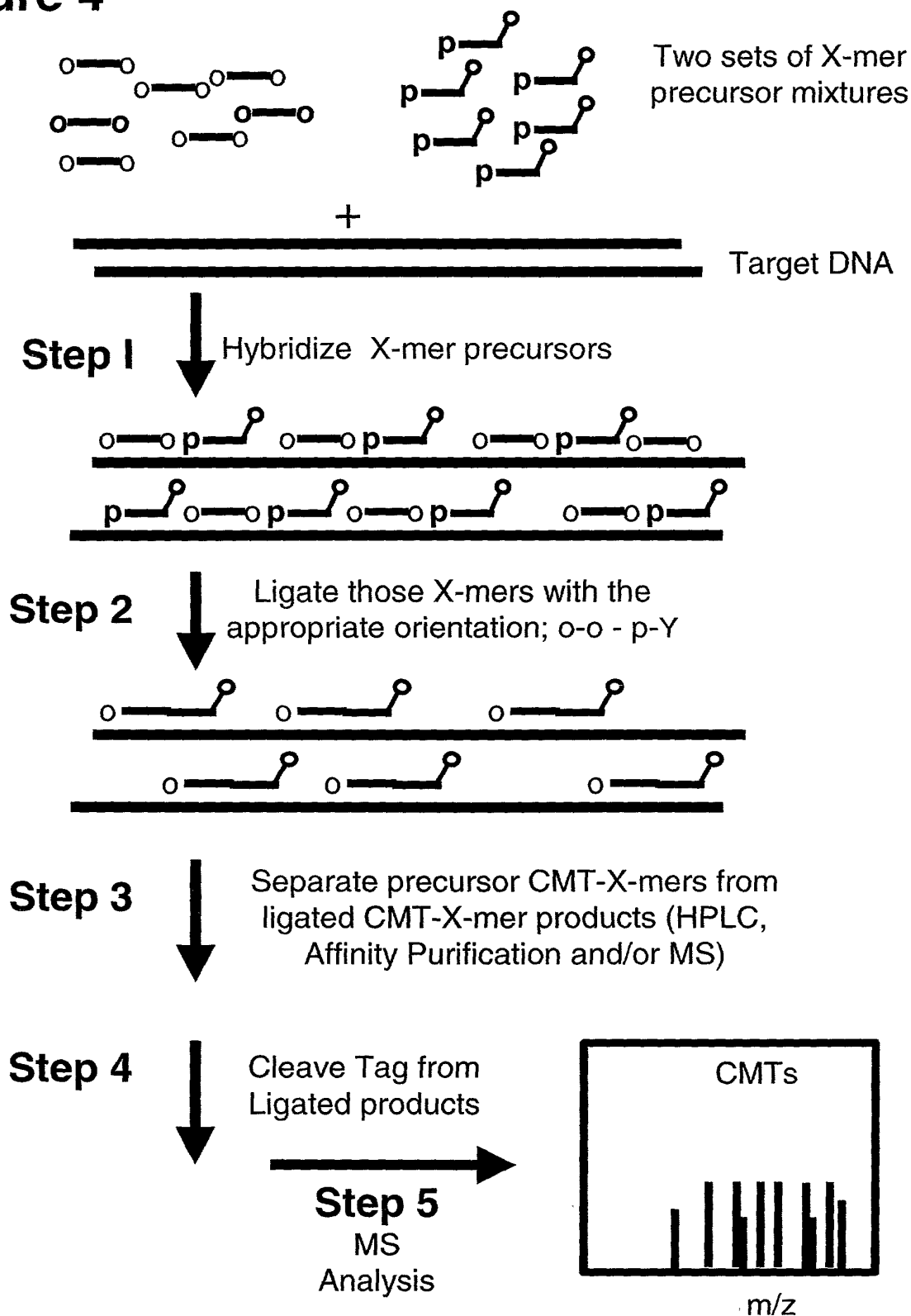


Figure 5

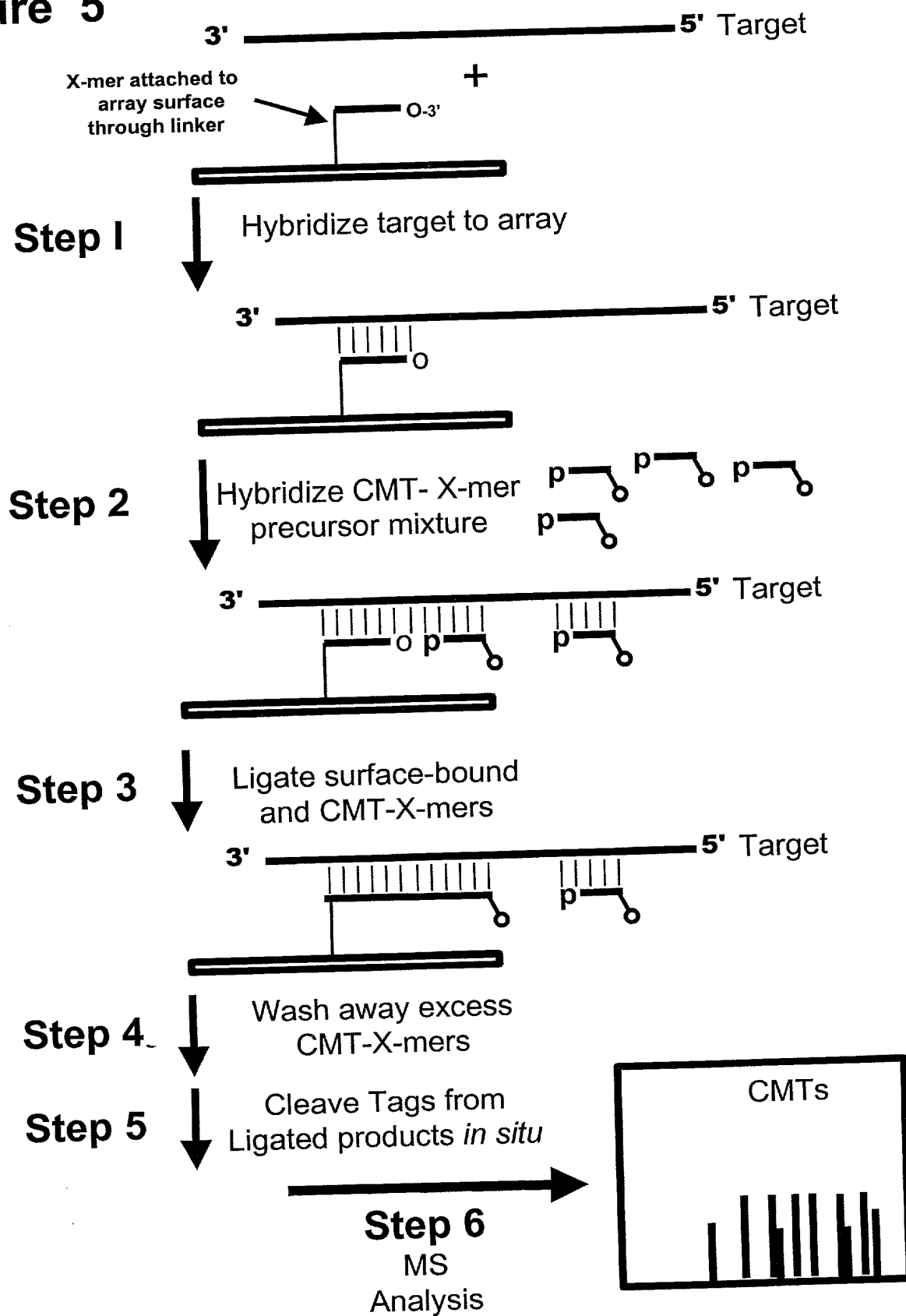


Figure 6

Heterozygous mutation detection success rates of PCMTs PEA with 6-mers and 100 tags

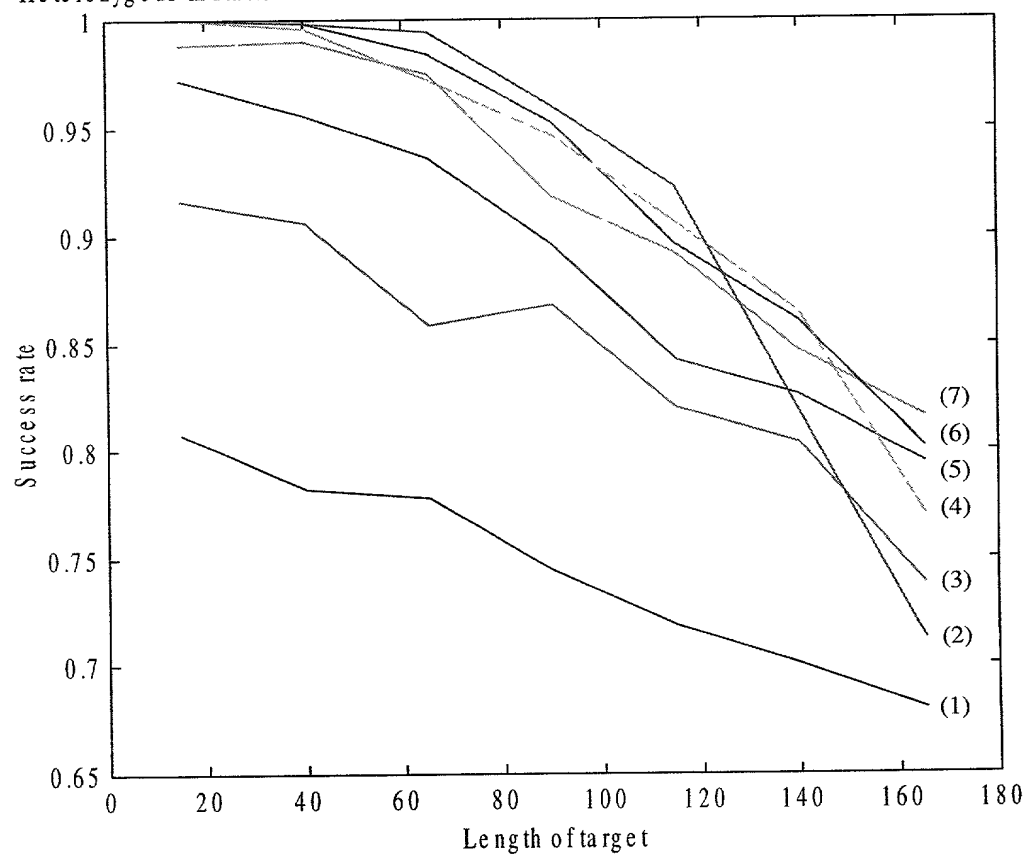


Figure 7

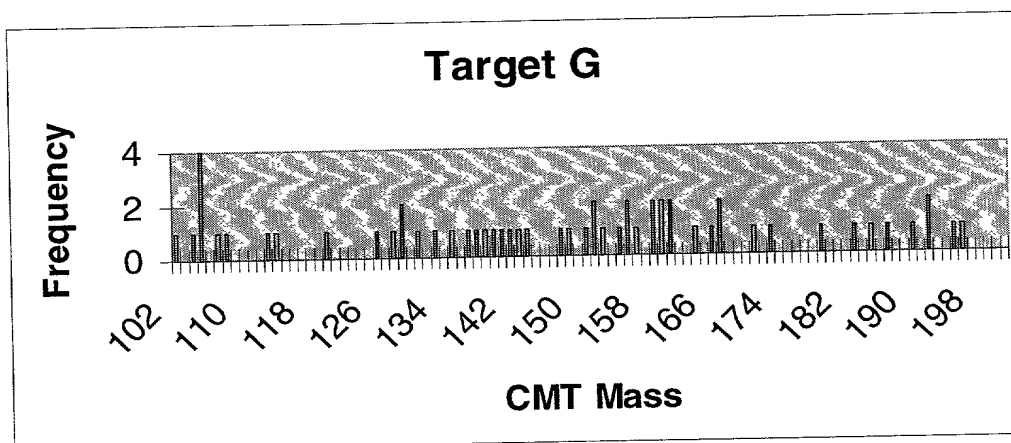
TACACATTGTCAAGGACGTACCCG**C**CGTACTTGGCCTCCGGGTAGGAGTGGTAGTAGTGTGAC

ATGTGTA
TGTGTAA
GTGTAAC
TGTAACA
GTAACAG
TAACAGT
AACAGTT
ACAGTTC
CAGTTCC
AGTTCCT
GTTCCCTG
TTCCTGC
TCCTGCA
CCTGCAT
CTGCATG
TGCATGG
GCATGGG
CATGGGC
ATGGG**CG**
TGGG**CGG**
GGG**CGG**C
GGC**GG**CA
GC**GG**CAT
C**GG**CATG
GGCATGA
GCATGAA
CATGAAC
ATGAACC
TGAACCG
GAACCGG
AACCGGA
ACCGGAG
CCGGAGG
CGGAGGC
GGAGGCC
GAGGCCC
AGGCCCA
GGCCCAT
GCCCATC
CCCATCC
CCATCCT
CATCCTC
ATCCTCA
TCCTCAC
CCTCACC
CTCACCA
TCACCAT
CACCATC
ACCATCA
CCATCAT
CATCATC
ATCATCA
TCATCAC
CATCACA
ATCACAC
TCACACT
CACACTG

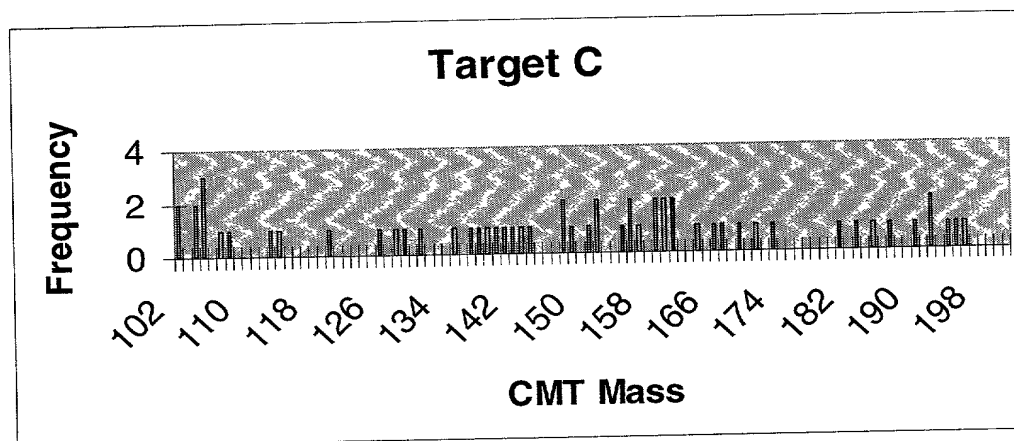
TTCCTGC
TCCTGCA
CCTGCAT
CTGCATG
TGCATGG
GCATGGG
CATGGGC
ATGGGCG
TGGGCGG
GGGCGGC
GGCGGCA
GCGGCAT
CGGCATG
GGCATGA
GCATGAA
CATGAAC
ATGAACC
TGAACCG
GAACCGG
AACCGGA
ACCGGAG
CCGGAGG
CGGAGGC
GGAGGCC
GAGGCCC
AGGCCCA
GGCCCAT
GCCCATC
CCCATCC
CCATCCT
CATCCTC
ATCCTCA
TCCTCAC
CCTCACC
CTCACCA
TCACCAT
CACCATC
ACCATCA
CCATCAT
CATCATC
ATCATCA
TCATCAC
CATCACA
ATCACAC
TCACACT
CACACTG

Figure 8

A



B



C

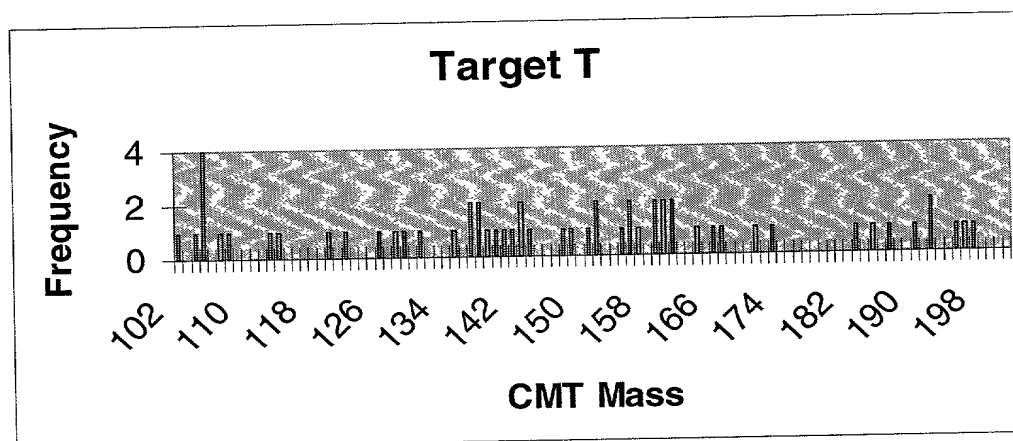
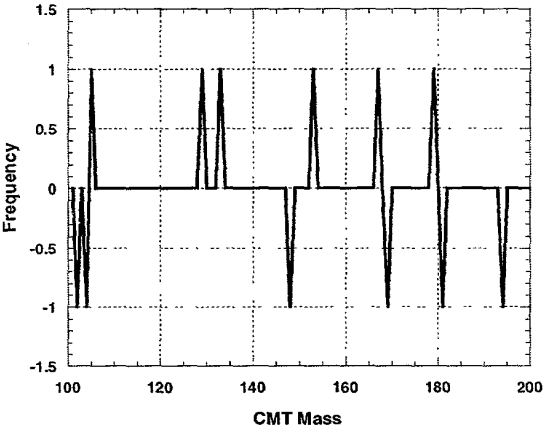


Figure 9

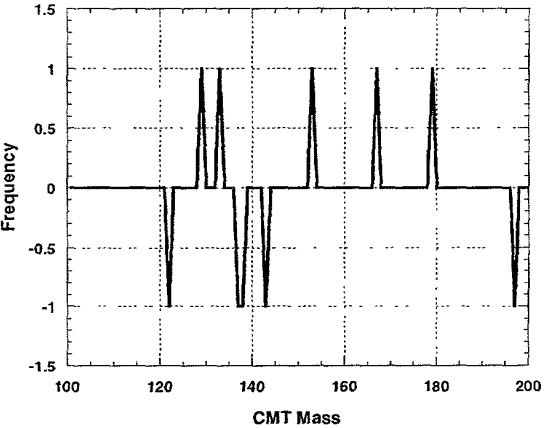
A

G to C Mutation Integrated Difference Spectra



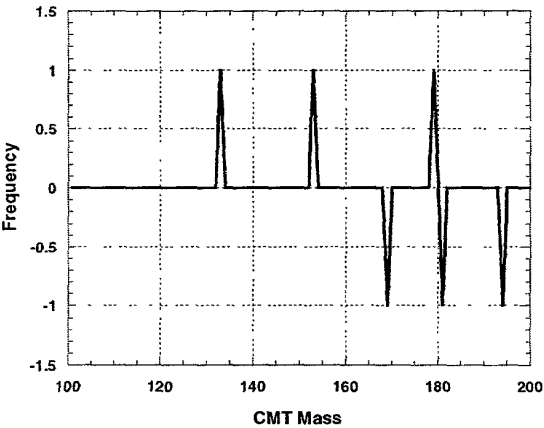
B

G to T Mutation Integrated Difference Spectra



C

G to C Mutation Binary Difference Spectra



D

G to T Mutation Binary Difference Spectra

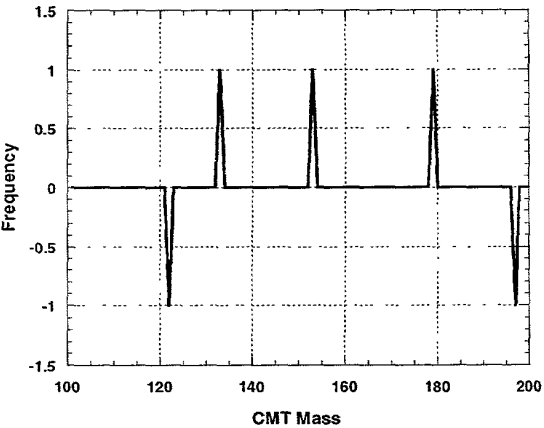
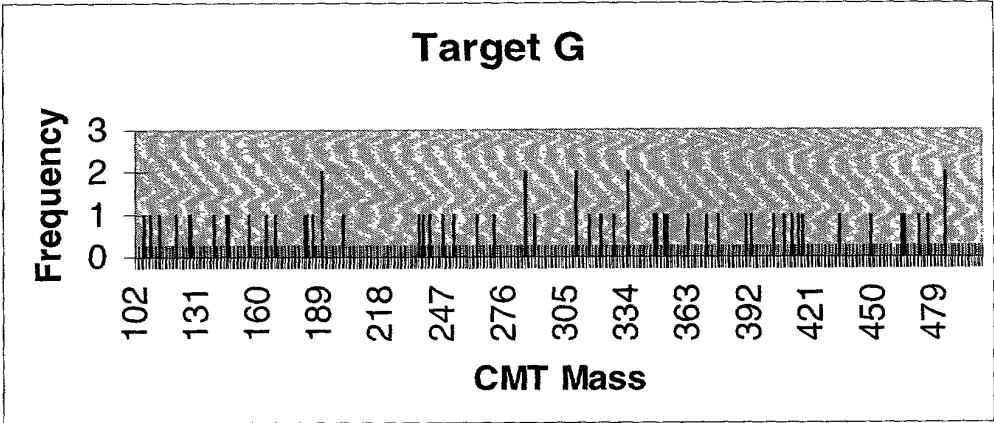
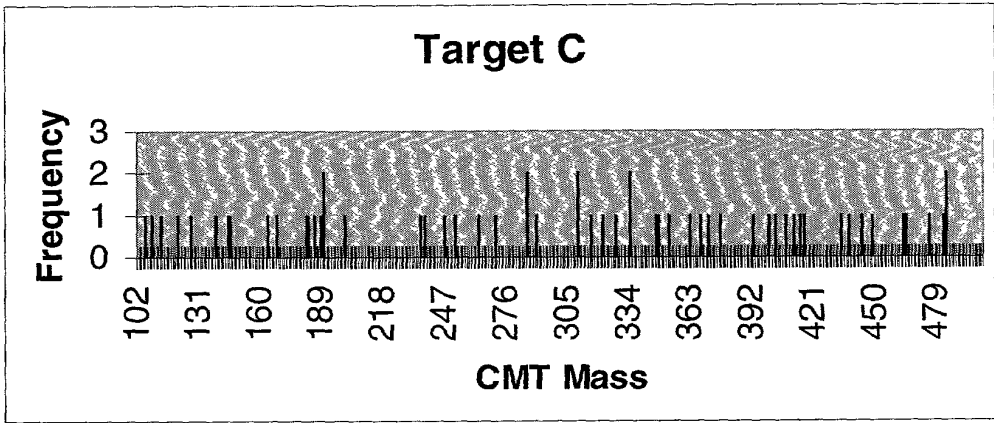


Figure 10

A



B



C

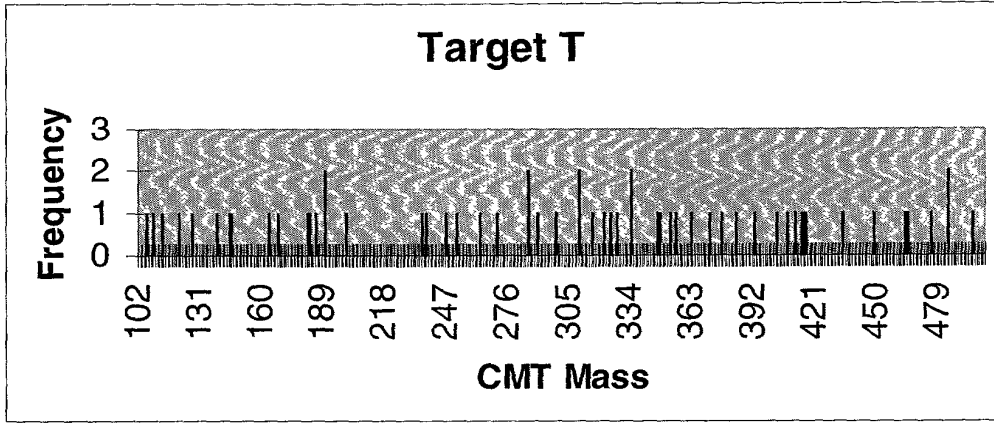
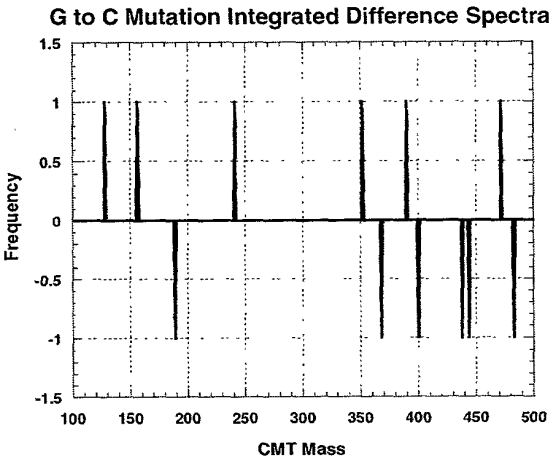
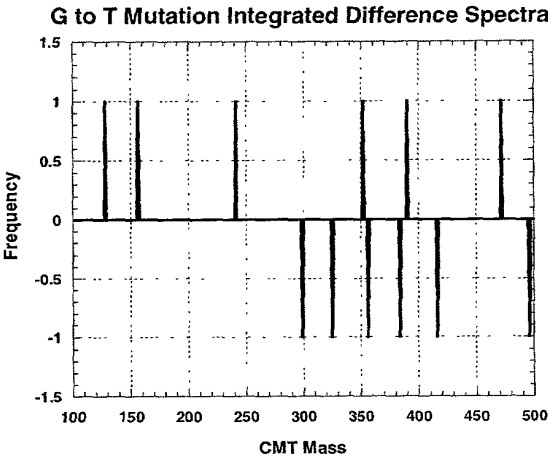


Figure 11

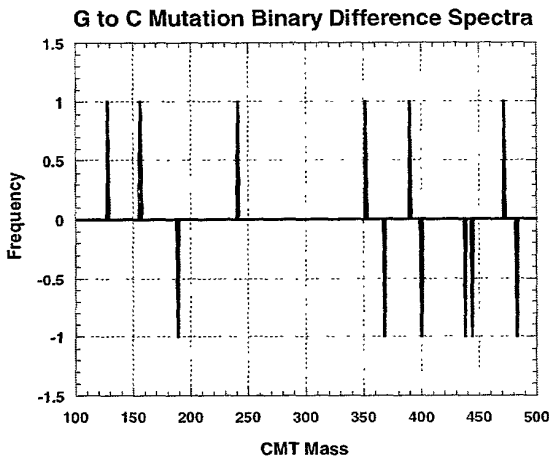
A



B



C



D

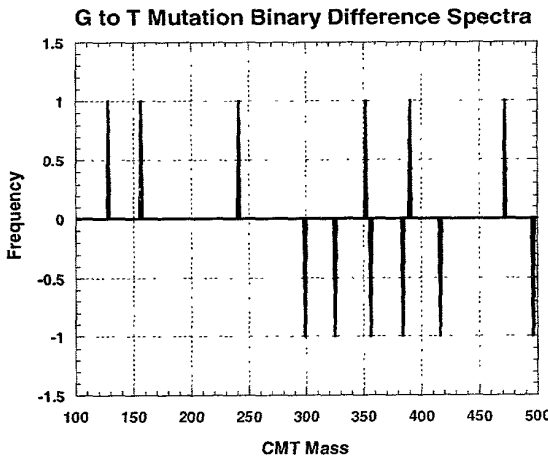


Figure 12

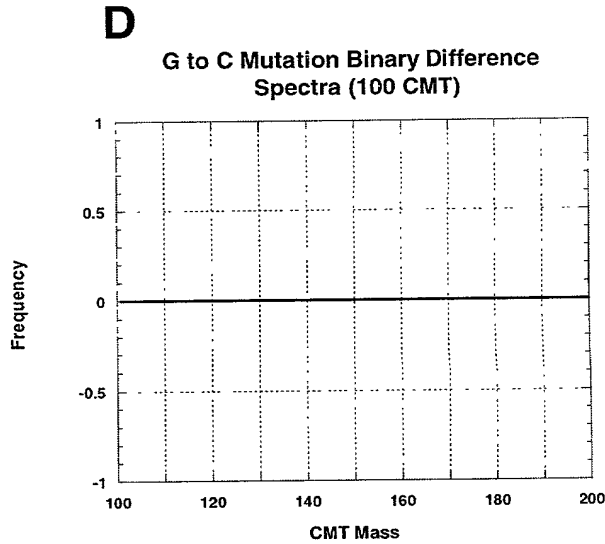
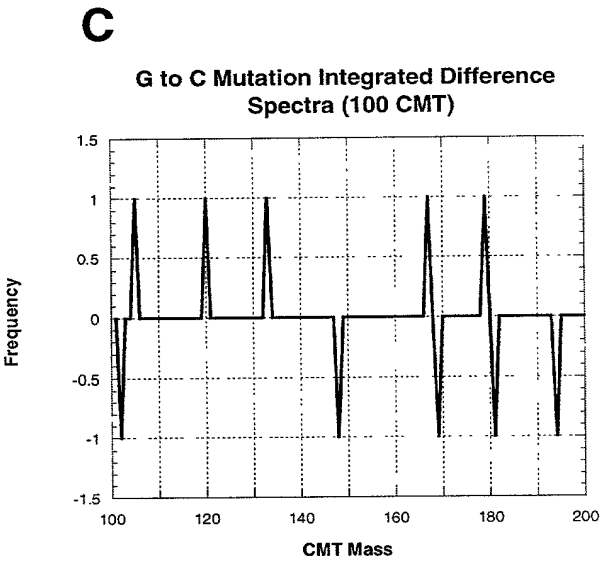
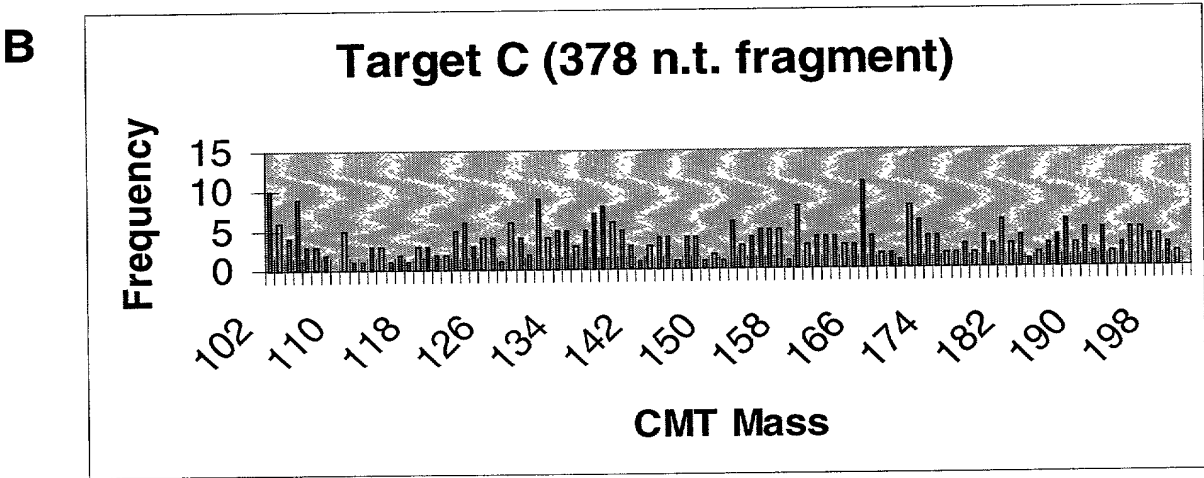
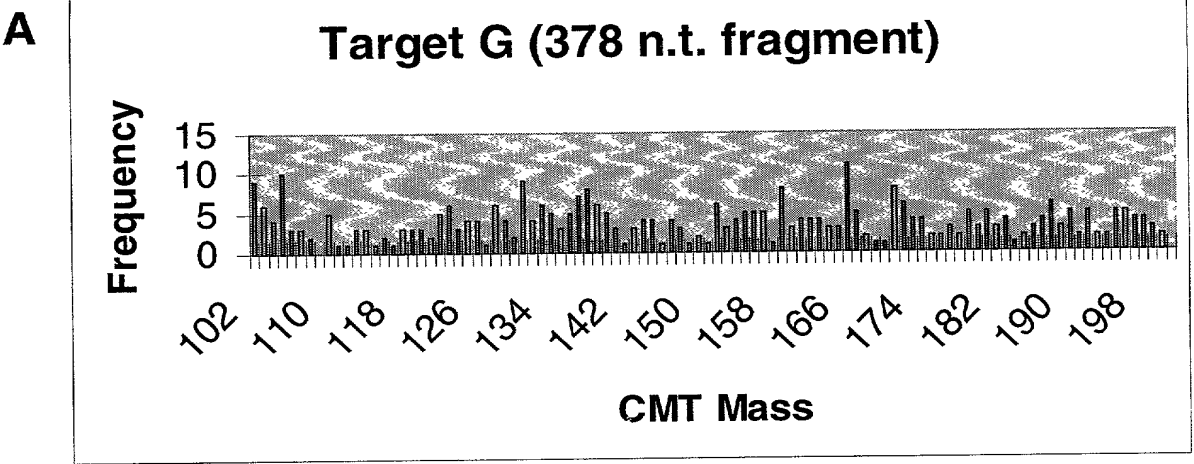
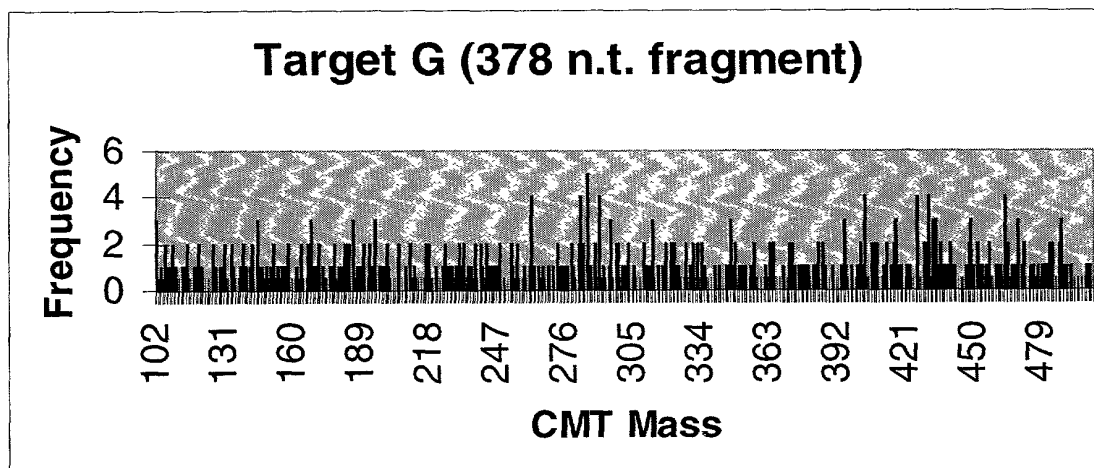
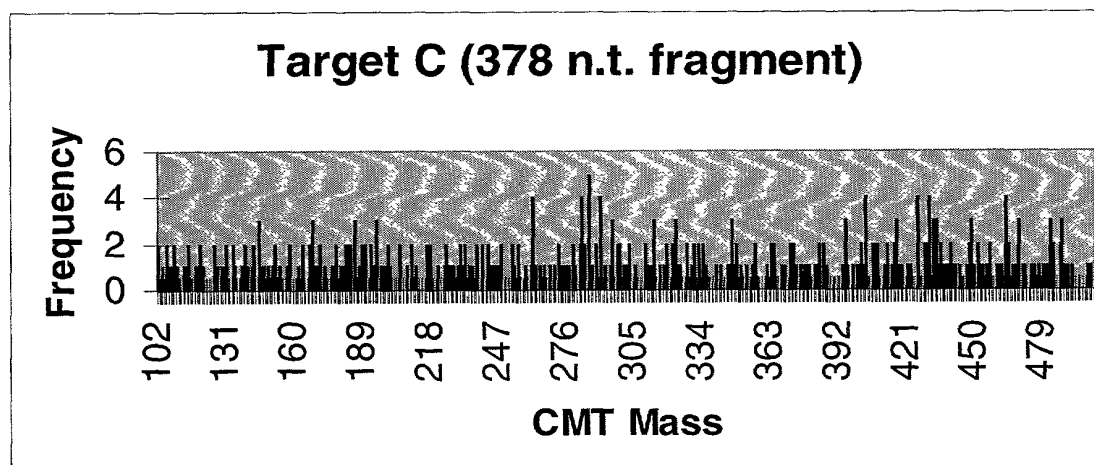


Figure 13

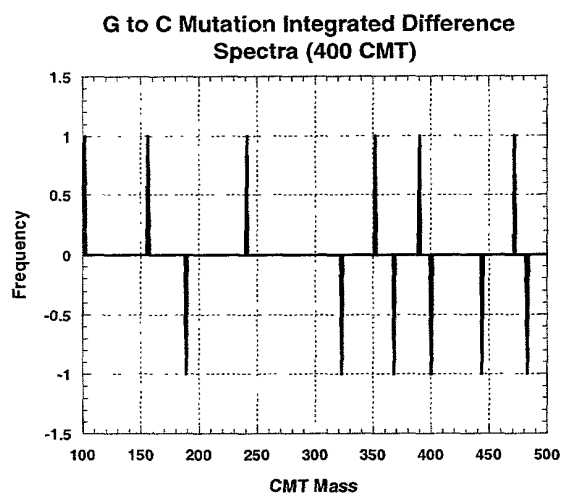
A



B



C



D

